

10/580,576

=> file caplus  
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FILE COVERS 1907 - 29 Sep 2010 VOL 153 ISS 14  
FILE LAST UPDATED: 28 Sep 2010 (20100928/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

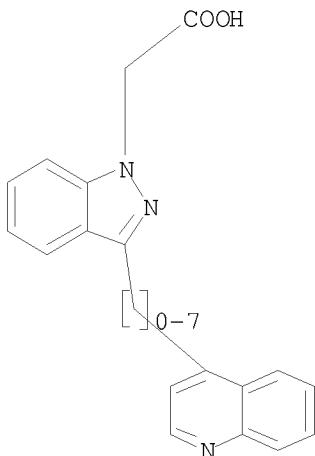
CAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2010.

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=> d que  
L1 STR



Structure attributes must be viewed using STN Express query preparation.  
L3 4 SEA FILE=REGISTRY SSS FUL L1  
L4 1 SEA FILE=CAPLUS L3

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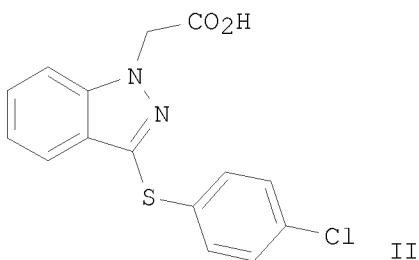
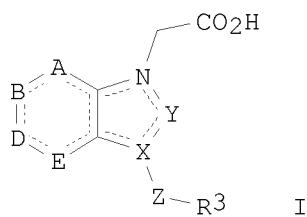
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN  
 ACCESSION NUMBER: 2005:523445 CAPLUS  
 DOCUMENT NUMBER: 143:59979  
 TITLE: Preparation of (indol-1-yl), (indazol-1-yl), and (benzimidazol-1-yl)acetic acids useful for the treatment of respiratory disorders mediated by prostaglandin D2 acting at the CRTh2 receptor  
 INVENTOR(S): Bonnert, Roger Victor; Mohammed, Rukhsana Tasneem; Teague, Simon  
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited  
 SOURCE: PCT Int. Appl., 49 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005054232	A1	20050616	WO 2004-GB4937	20041124
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1699781	A1	20060913	EP 2004-798644	20041124
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1906189	A	20070131	CN 2004-80040941	20041124
JP 2007512299	T	20070517	JP 2006-540603	20041124
IN 2006DN03671	A	20070713	IN 2006-DN3671	20060626
US 20080027092	A1	20080131	US 2007-580576	20070525
PRIORITY APPLN. INFO.:			SE 2003-3180	A 20031126
			WO 2004-GB4937	W 20041124

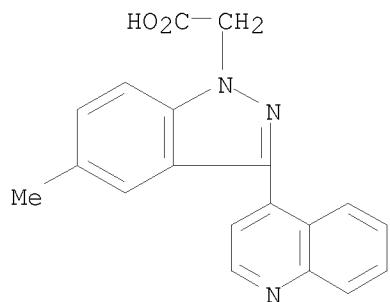
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 143:59979; MARPAT 143:59979

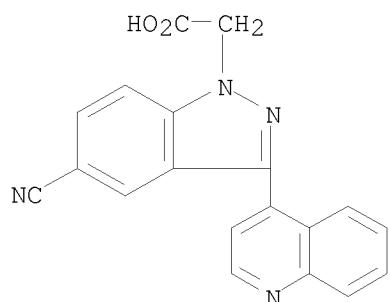
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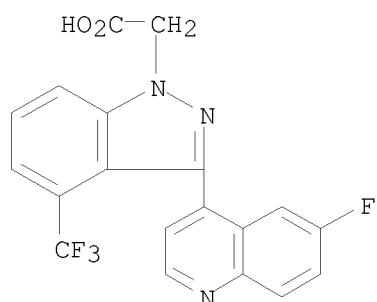
- AB Title compds. I [wherein each A, B, D, E = independently CH and derivs., N; Y = C-R2, N, CO; Z = O, S, a bond, or alkylene; R2 = (un)substituted alkyl; R3 = (un)substituted hetero/aryl; X = N, C, CH] were prepared as CRTh2 receptor ligands for treating respiratory diseases. For example, II was prepared in 3 steps by reacting 5-iodoindazole with bis(4-chlorophenyl)disulfide in the presence of KOBu-t, followed by N-alkylation of indazole with Et bromoacetate and saponification of the ester (no data). I had IC50 values < 10  $\mu$ M in a ligand binding assay using HEK cell membranes containing CRTh2 receptor. Thus, I and their formulations are useful for treating respiratory diseases, such as asthma and rhinitis, mediated by prostaglandin D2 acting at the CRTh2 receptor.
- IT 854018-51-2P, 5-Methyl-3-(4-quinolinyl)-1H-indazole-1-acetic acid  
 854018-56-7P, 5-Cyano-3-(4-quinolinyl)-1H-indazole-1-acetic acid  
 854018-61-4P, 2-[3-(6-Fluoro-4-quinolinyl)-4-(trifluoromethyl)-1H-indazol-1-yl]acetic acid  
 854018-66-9P, 4-Iodo-3-(4-quinolinyl)-1H-indazole-1-acetic acid  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (drug candidate; preparation of indolyl, indazolyl, and benzimidazolylacetic acids as CRTh2 receptor ligands for treating respiratory diseases)
- RN 854018-51-2 CAPLUS
- CN 1H-Indazole-1-acetic acid, 5-methyl-3-(4-quinolinyl)- (CA INDEX NAME)



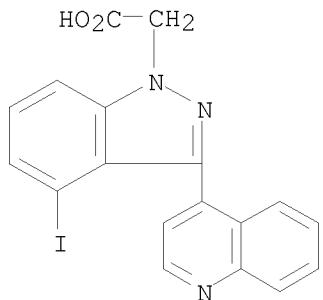
RN 854018-56-7 CAPLUS  
CN 1H-Indazole-1-acetic acid, 5-cyano-3-(4-methylquinoliny)- (CA INDEX NAME)



RN 854018-61-4 CAPLUS  
CN 1H-Indazole-1-acetic acid, 3-(6-fluoro-4-quinoliny)-4-(trifluoromethyl)- (CA INDEX NAME)



RN 854018-66-9 CAPLUS  
CN 1H-Indazole-1-acetic acid, 4-iodo-3-(4-quinoliny)- (CA INDEX NAME)



OS.CITING REF COUNT: 14 THERE ARE 14 CAPLUS RECORDS THAT CITE THIS RECORD (17 CITINGS)  
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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STRUCTURE FILE UPDATES: 28 SEP 2010 HIGHEST RN 1243477-20-4  
DICTIONARY FILE UPDATES: 28 SEP 2010 HIGHEST RN 1243477-20-4

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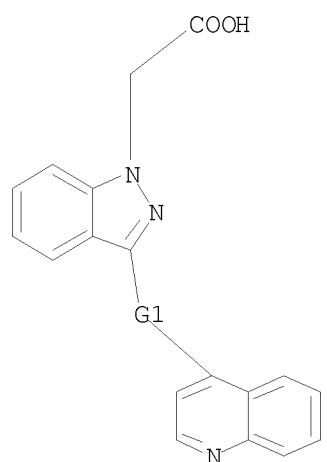
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

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=> d que  
L1 STR



G1 O, S

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